

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Sta. No. B1 @ Priscu Meas. No. 56
Comp. by JCK
Checked by SLH

Date Dec 16, 1905 Party SLH, JCK
Width 10.5 Area 1.64 Vel. 2.126 G. H. 2.154 Disch 3.248 3.309
Method No. secs. G. H. change in hrs. Susp.
Method coef. Hor. angle coef. Susp. coef. Meter No.
Type of meter pygmy Date rated Tag checked
Meter ft. above bottom of wt. Spin before meas. after
Meas. plots % diff. from rating. Levels obtained

GAGE READINGS					WATER QUALITY MEASUREMENTS		
Time	Inside	SC	+	Outside	No	Yes <input checked="" type="checkbox"/>	Time
1122	2.34		99999				
1123		64.7	4.4	0.60	No	Yes <input checked="" type="checkbox"/>	Time
1200	2.119			1.58	No	Yes <input checked="" type="checkbox"/>	Time
					EDI	EWI	Other
					SEDIMENT SAMPLES		
					No	Yes	Time
					Method Used		
					EDI	EWI	Other
Weighted M.G.H.					BIOLOGICAL SAMPLES		
G.H. correction					Yes	Time	
Correct M.G.H.					No	Type	

Check bar. chain found changed to at
Wading, cable, ice, boat, upstr., downstr., side bridge 20 feet, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow quick, steady, only trickle of overflow
Cross section very channeled, sandy
Control → flume is tilted
Gage operating Weather overcast
Intake/Orifice cleaned Air 5.4 °C @ 1122 Water °C @
Record removed Extreme Indicator: Max. Min.
Nitrogen Pressure Tank 1850 Feed 10 Bbl rate 44 per min.
CSG checked Stick reading
Observer
HWM pH: 6.27 outside, in well
Remarks

River at- B1 12/16/5											
ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VER- TICAL			
	4.5		EW								
	6.75		.2		39	45					.85
	7.0		.2		55	45					
	7.25		.2		60	45					
	7.5		.2		61	45					.90
	7.75		.2		108	45					.92
	8.0		.2		87	45					.94
	8.25		.2		99	45					.96
	8.5		.2		113	45					.97
	8.75		.2		125	45					.98
	9.0		.2		133	45					.99
	9.25		.2		100	30					.99
	9.5		.25		100	26					
	9.75		.2		100	31					
⊙	10.0		.2		100	31					1.00
	10.25		.2		100	31					
	10.75		.2		100	29					.99
	11.0		.2		100	31					.98
	11.25		.2		100	31					.97
	11.5		.2		100	32					.96
	11.75		.2		133	45					.94
	12.0		.15		125	45					.92
	12.25		.15		121	45					.90
	12.5		.1		116	45					
	12.75		.15		164	45					
	13.0		.1		98	45					.85
	13.25		.1		73	45					.85
	13.5		.1		54	45					.80
	13.75		.1		40	45					
	14.0		.15		38	45					
	15.0		EW								